

In the Claims

The claims have been amended as follows:

1 Claim 1-7 (cancel)

1 Claim 8 (Currently Amended) A sheet comprising carbonized fibrillated lyocell
2 fibers and a microbiological interception enhancing agent on a portion of selected
3 ones of said carbonized fibrillated lyocell fibers, said carbonized fibrillated lyocell
4 fibers having a Canadian Standard Freeness of less than about 100 and a fiber
5 diameter of less than or equal to about 400nm, wherein said sheet is capable of
6 being carbonized at a temperature of less than about 600°C.

1 Claim 9 (original) A sheet of claim 8 wherein said sheet is further heated
2 to form an activated carbon sheet having a BET surface area of greater than about
3 800 m²/g.

4 Claim 10 (withdrawn) A sheet of claim 8 wherein the fibrillated fibers have a
5 Canadian Standard Freeness of less than about 45 or a fiber diameter of less than
6 about 250nm.

1 Claim 11 (withdrawn) A sheet of claim 8 wherein the fibrillated fibers have a
2 Canadian Standard Freeness of less than about 0 or a fiber diameter of less than
3 about 250nm.

1 Claim 12 (cancel)

1 Claim 13 (cancel)

1 Claim 14 (withdrawn) A sheet of claim 8 further including active agents
2 captured therein.

1 Claim 15 (withdrawn) A sheet of claim 14 wherein the active agents comprise
2 metals, metal salts, metal oxides, glass, alumina, carbon, activated carbon, silicates,
3 ceramics, zeolites, diatomaceous earth, activated bauxite, fuller's earth, calcium
4 sulfate, titanium dioxide, magnesium hydroxide, manganese oxides, magnesia,
5 perlite, talc, clay, bone char, pitch, calcium hydroxide, calcium salts, or
6 combinations thereof.

1 Claim 16 (cancel)

1 Claim 17 (withdrawn) A sheet of claim 8 wherein the fibrillated fibers are
2 admixed with active agents, and made into a paper prior to carbonization.

1 Claim 18 (withdrawn) A sheet of claim 8 wherein said sheet is used as an
2 electrode.

1 Claim 19 (withdrawn) A sheet of claim 8 further including a catalyst or a
2 catalyst support.

1 Claim 20 (original) A filter medium comprising the sheet of claim 8.

1 Claim 21 (Previously Presented) A sheet comprising activated, carbonized
2 fibrillated lyocell fibers and a microbiological interception enhancing agent on a
3 portion of selected ones of said fibrillated lyocell fibers, said fibrillated lyocell fibers
4 having a BET surface area of greater than about 800m²/g, wherein prior to
5 carbonization and activation, the fibrillated fibers have a Canadian Standard
6 Freeness of less than about 100 or a fiber diameter of less than or equal to about
7 400nm and wherein activation occurs in less than or equal to about 30 minutes at a
8 temperature greater than about 875°C in an oxidizing atmosphere.

1 Claim 22 (withdrawn) A sheet of claim 21 wherein the fibrillated fibers have a
2 Canadian Standard Freeness of less than about 45 or a fiber diameter of less than
3 about 250nm.

1 Claim 23 (withdrawn) A sheet of claim 21 wherein the fibrillated fibers have a
2 Canadian Standard Freeness of less than about 0 or a fiber diameter of less than
3 about 250nm.

1 Claim 24 (withdrawn) A sheet of claim 21 wherein the fibrillated fibers
2 comprise polymers, liquid crystal polymers, engineered resins, cellulose, rayon,
3 ramie, wool, silk, or combinations thereof.

1 Claim 25 (cancel)

1 Claim 26 (withdrawn) A sheet of claim 21 further including active agents
2 captured therein.

1 Claim 27 (withdrawn) A sheet of claim 26 wherein the active agents comprise
2 metals, metal salts, metal oxides, glass, alumina, carbon, activated carbon, silicates,
3 ceramics, zeolites, diatomaceous earth, activated bauxite, fuller's earth, calcium
4 sulfate, titanium dioxide, magnesium hydroxide, manganese oxides, magnesia,
5 perlite, talc, clay, bone char, pitch, calcium hydroxide, calcium salts, or
6 combinations thereof.

1 Claim 28 (withdrawn) A sheet of claim 21 wherein the fibrillated fibers are
2 admixed with active agents, and made into a paper prior to carbonization and
3 activation.

1 Claim 29 (withdrawn) A sheet of claim 21 further including a catalyst or a
2 catalyst support.

1 Claim 30 (cancel)

1 Claim 31 (withdrawn) A filter medium comprising the sheet of claim 21.

1 Claim 32 (withdrawn) A sheet comprising carbonized fibrillated fibers and a
2 microbiological interception enhancing agent on a portion of selected ones of said
3 fibrillated fibers, said fibrillated fibers having a Canadian Standard Freeness of less
4 than about 45 or a fiber diameter of less than or equal to about 250nm, and active
5 agents captured within said carbon sheet, said active agents present in an amount
6 greater than about 10 weight percent of a total weight of said sheet.

1 Claim 33 (withdrawn) A sheet of claim 32 wherein the active agents comprise
2 metals, metal salts, metal oxides, glass, alumina, carbon, activated carbon, silicates,
3 ceramics, zeolites, diatomaceous earth, activated bauxite, fuller's earth, calcium
4 sulfate, titanium dioxide, magnesium hydroxide, manganese oxides, magnesia,
5 perlite, talc, clay, bone char, pitch, calcium hydroxide, calcium salts, or
6 combinations thereof.

1 Claim 34 (withdrawn) A sheet of claim 32 wherein said active agents are
2 present in an amount of greater than 50 weight percent.

1 Claim 35 (withdrawn) A sheet of claim 32 wherein said active agents have
2 a particle size of less than about 50 μm and are present in an amount of greater than
3 97 weight percent.

1 Claim 36 (withdrawn) A sheet of claim 32 wherein said sheet is used as an
2 electrode.

1 Claim 37 (withdrawn) A sheet of claim 32 further including a catalyst or a
2 catalyst support incorporated therein.

1 Claim 38 (cancel)

1 Claim 39 (withdrawn) A filter medium comprising the sheet of claim 32.

1 Claim 40 (withdrawn) A sheet comprising activated, carbonized fibrillated
2 fibers and a microbiological interception enhancing agent on a portion of selected
3 ones of said fibrillated fibers, wherein the fibrillated fibers have a Canadian Standard
4 Freeness of less than about 45, a diameter of less than or equal to about 250nm, and
5 active agents captured therein, wherein the active agents are present in an amount
6 greater than about 10 weight percent of a total weight of said sheet.

1 Claim 41 (withdrawn) A sheet of claim 40 wherein the active agents comprise
2 metals, metal salts, metal oxides, glass, alumina, carbon, activated carbon, silicates,

3 ceramics, zeolites, diatomaceous earth, activated bauxite, fuller's earth, calcium
4 sulfate, titanium dioxide, magnesium hydroxide, manganese oxides, magnesia,
5 perlite, talc, clay, bone char, pitch, calcium hydroxide, calcium salts, or
6 combinations thereof.

1 Claim 42 (withdrawn) A sheet of claim 40 further including a catalyst or a
2 catalyst support.

1 Claim 43 (cancel)

1 Claim 44 (withdrawn) A filter medium comprising the sheet of claim 40.

1 Claims 45-84 (cancel)

2 Claim 85 (Previously Presented) A sheet comprising activated, carbonized
3 fibrillated fibers having a microbiological interception enhancing agent on a portion
4 of selected ones of said fibrillated fibers, said microbiological interception
5 enhancing agent comprising a biologically active metal precipitated with a counter
6 ion of a cationic material that is adsorbed on said portion of said selected ones of
7 said fibrillated fibers.

1 Claim 86 (Previously Presented) The sheet of claim 85 wherein said fibrillated
2 fibers have a Canadian Standard Freeness of less than about 100.

1 Claim 87 (Previously Presented) The sheet of claim 85 wherein said fibrillated
2 fibers have a Canadian Standard Freeness of less than about 45.

1 Claim 88 (Previously Presented) The sheet of claim 85 wherein said fibrillated
2 fibers have a Canadian Standard Freeness of less than about 0.

1 Claim 89 (Previously Presented) The sheet of claim 85 wherein said fibrillated
2 fibers have a fiber diameter of less than about 250nm.

1 Claim 90 (withdrawn) The sheet of claim 85 further including active agents
2 captured therein.

1 Claim 91 (withdrawn) The sheet of claim 85 further including a catalyst or a
2 catalyst support.

1 Claim 92 (Previously Presented) The sheet of claim 85 wherein said cationic
2 material is selected from the group consisting of a colloid, a charged molecule, and
3 a linear or branched polymer having positively charged atoms along a length of said
4 polymer chain having said counter ion associated therewith.

1 Claim 93-100 (cancel)

1 Claim 101 (Previously Presented) A sheet comprising activated, carbonized
2 fibrillated lyocell fibers having a microbiological interception enhancing agent on a
3 portion of selected ones of said fibrillated fibers, said microbiological interception
4 enhancing agent comprising a biologically active metal precipitated with a counter
5 ion of a cationic material that is adsorbed on said portion of said selected ones of
6 said fibrillated fibers.

1 Claim 102 (Previously Presented) The sheet of claim 101 wherein said fibrillated
2 fibers have a Canadian Standard Freeness of less than about 100.

1 Claim 103 (Previously Presented) The sheet of claim 101 wherein said fibrillated
2 fibers have a Canadian Standard Freeness of less than about 45.

1 Claim 104 (Previously Presented) The sheet of claim 101 wherein said fibrillated
2 fibers have a Canadian Standard Freeness of less than about 0.

1 Claim 105 (Previously Presented) The sheet of claim 101 wherein said fibrillated
2 fibers have a fiber diameter of less than about 250nm.

1 Claim 106 (withdrawn) The sheet of claim 101 further including active agents
2 captured therein.

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1 Claim 107 (withdrawn) The sheet of claim 101 further including a catalyst or
2 a catalyst support.

1 Claim 108 (Previously Presented) The sheet of claim 101 wherein said cationic
2 material is selected from the group consisting of a colloid, a charged molecule, and
3 a linear or branched polymer having positively charged atoms along a length of said
4 polymer chain having said counter ion associated therewith.

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